

WHAT IS CLAIMED IS:

1. A socket and ratcheting wrench of rotary shape comprising:

a wrench body having a head portion and a handle portion, on
the head portion defined with a receiving hole, the handle portion serving
5 for gripping;

an annular-toothed block rotatably received in the receiving hole
of the wrench body, the annular-toothed block defined with a through
engaging hole, on the inner periphery of the engaging hole multiple ribs
defined, each paired neighboring ribs connected by a negative arc surface,
10 at both sides of each rib respectively provided with a flat first engaging
surface, between the first engaging surfaces of the respective ribs a
cambered second engaging surface defined thereof, the first engaging
surface, via an arc surface, connected to the second engaging surface;

a socket having a first end and a second end, on the outer
15 periphery of the first end multiple grooves defined for engaging with the
respective ribs of the annular-toothed block, the second end provided on
its outer periphery with multiple planes for engaging with the second
engaging surfaces of the respective ribs.

2. The socket and ratcheting wrench of rotary shape as claimed
20 in claim 1, wherein the socket attenuates gradually from the first end to
the second end.